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Fig 1A

TTGGGGACAT TTTGGGGTGA CACACTGAAC TGCTGGATGC TATCAGCATT TAGTAGGTAT GCTCGATGTC TTGCAGAAGG ACATGATGGT CCTACACAGT AAGGAATGGA TTACCTACAA TATTAATAGC AGCCTCCCAT ACACACTTTT GACACCCTTC CCTAAAGGAT TAATATGCTC CAACCTTCCT GTCCCCACAG TTCAGTGGCT CTCCCTACCC TCACCATGAT CGGATGAAAA AAAATAAGGT TTCACAGCTT AAGAGTGAAA TTCTGGAATC CAACTACAAG CTCATAACTG TAGCATGGAA CCTGGTAGTA GCATAATAAA TAAATTTTTA GTAAGAGGCT TAAGAAATTT TAGCAAAAA AGCACTCCCT TTCTTCCTCC CTACATATCT CATATGTTTT TCAACACAAA AAATTCTGTG ATTTTAGAGA AACTTCTTAC AGTACTTTTA AGTTCAAAAC CAGATGCTCA TTACAGTTCT TTTAAACACC AAACTAGTCA TCTCAAAAAT ATGGCTAACT CTCTGGACTA AATTCCATAG GAAAAATTAT TAATTTCAAA ATGCCTAATT TTTGATCAAT GCTGAAGAGC CAAGCAATCA TGTCCTGCTT CTCACTCAGG GCAGAGTTCT CAGGTCAGAA GCTCCGGAGT CTGTCAGAGA TTAAAATATC ATCTCAACAA TTCACAAGCT ACTTCTAAGT GTTACCCTAA ATTAGTCACT AATCGTTTCT CCCCCAACTC TATTTCACAA ATTAAAGTTT ACAGAATTGA CAAAAACCAA ACCAATGAAA CAACCCAGGC TATTTGCAGG GGGGGGAAA GAGATACCCC AAAAGTCAAC CCTATTTACA CGTAGTTAAA AGAGTGATCC AACAGATATT ACCCTCCATA AAGTACCTAA AGGCAGGAGC CGGAATT

Fig. 1B

TTGGGGACAT TTTGGGGTGA CACACTGAAC TGCTGGATGC TATCAGCATT TAGTAGGTAT GCTCGATGTC TTGCAGAAGG ACATGATGGT CCTACACAG

Fig. 1C

```
RAYYSTDENLILS
PLLGNVCF
            S
              S
                S
                 QY
 Ι
   CFTLGSFAK
   T F
A D
      G D
         INYQ
               \mathbf{E}
                 FΑ
K R L
      G
       DΙ
           Υ
            F
              ΝP
RKFTKKAPT
              SS
RSFVE
       FILE
              Ρ
               \mathbf{L}
ILAQVVGDV
              D
               Τ
PR
   TLD
       ELGI
              ΗL
EELKLNIRP
              \mathbf{L}
               L
 C K K F
       FGEF
              Τ
                G
                 F
D M C
    VQHI
          ΡS
              Ρ
               K
                 V G
AKPKIEHTYT
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 SDLGEAMS
              D
               С
DGPLM
       СНТ
            \mathbf{T}
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                 Y
 HDGVQFHP
              F
               G R V
 S G T I H A G Q P V K V
L
 GΕ
    N Y
       TLEDEE
 Ι
   С
    PVGRLW
              I
               S
                 V A
RYHIEVNRVP
 V L
    I E G V D
            Q
              Ρ
               Ι
TAT
    Ι
      Τ
       ΕPR
            G N
Q
 IFRPLK
          F N
              Τ
IKIAVEP
          V N
    L
      D
       GLRKV
               NK
   S L
Υ
      T
       Τ
         KVEE
               S
                 G
HVILGTGELYL
                D
VMHDLRKMYS
               Ε
 KVADPVV
            Τ
              F
               С
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 V E T
      SSLKCF
               Α
                 Ε
PNKKNKIT
            ΜI
LEKG
     LAED
            Ι
              Ε
V
   Ι
    TWNRKKL
               GΕ
 QTKYDWDLLAAR
  WΑ
     FGPDATGPN
  V D D T L P
            SEVDK
ALLGSVKDSIVQG
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Fig. 2 A

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Fig. 2 B

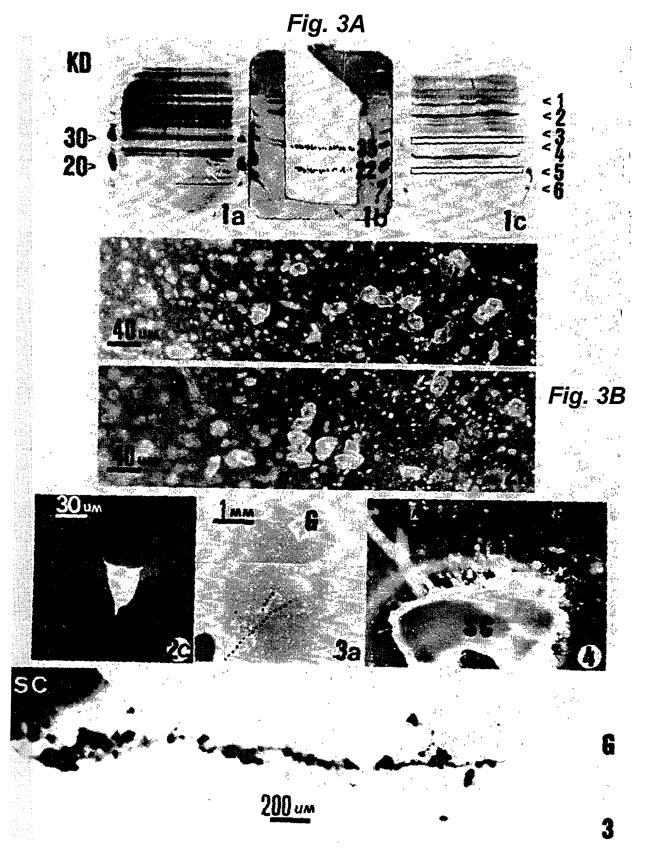


Fig. 3C

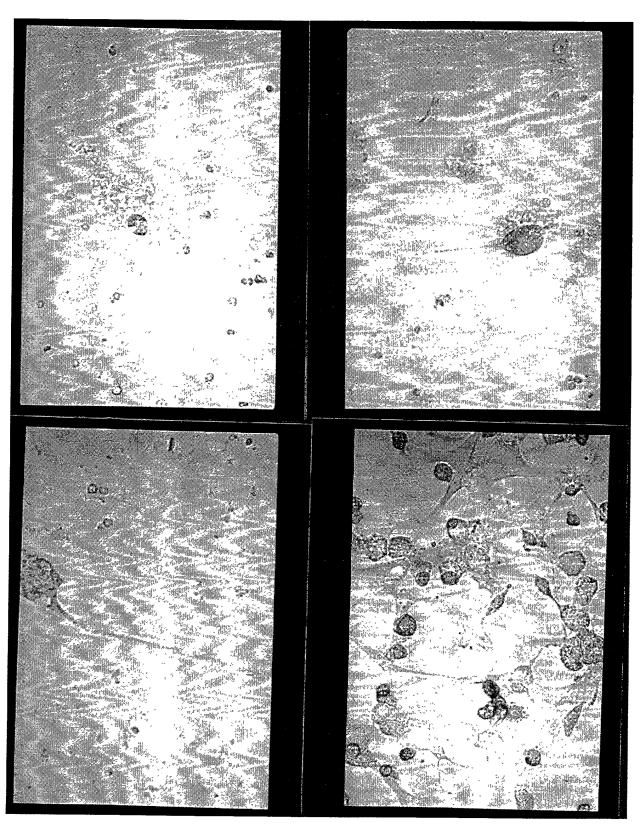


Fig. 4

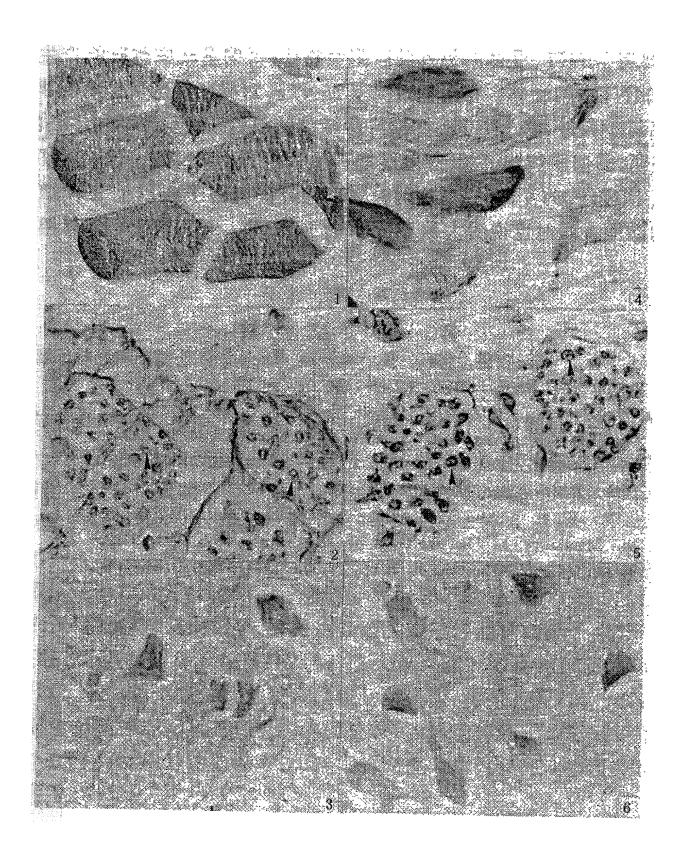


Fig. 5

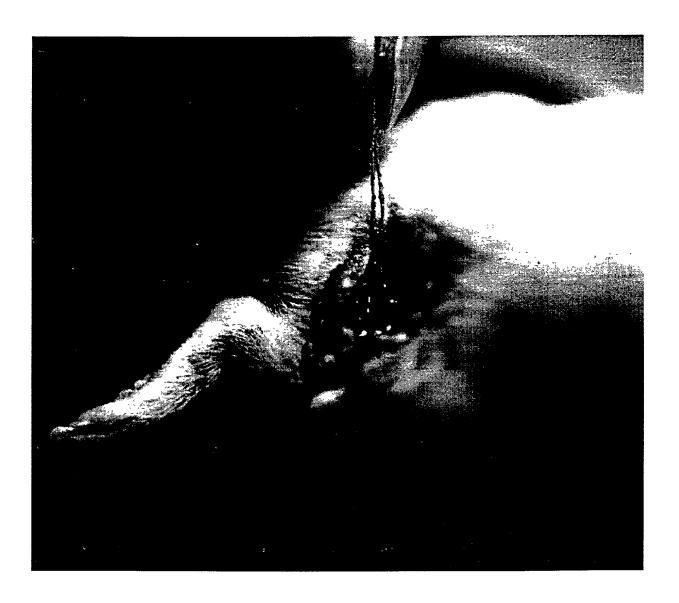


Fig. 6

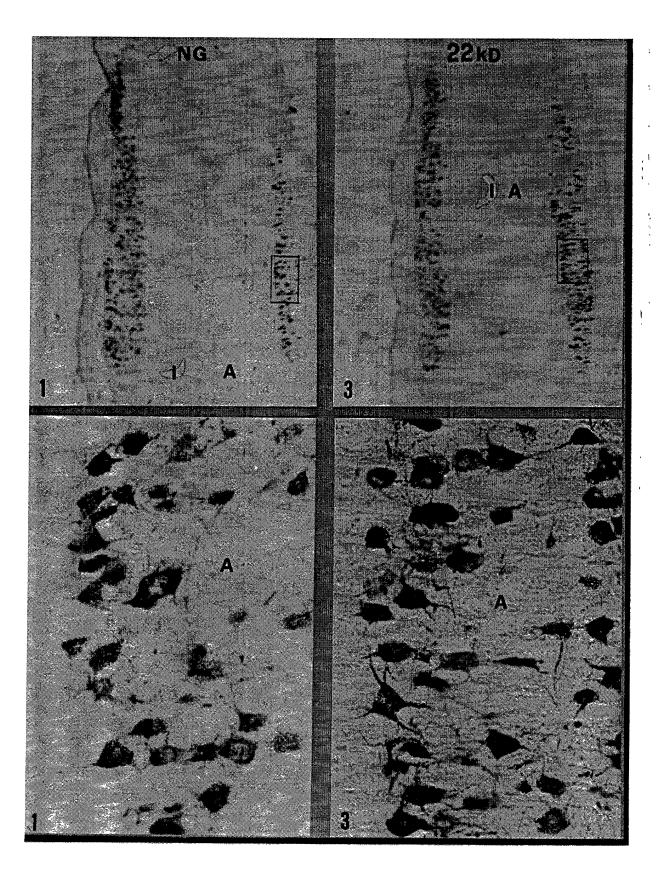


Fig. 7A

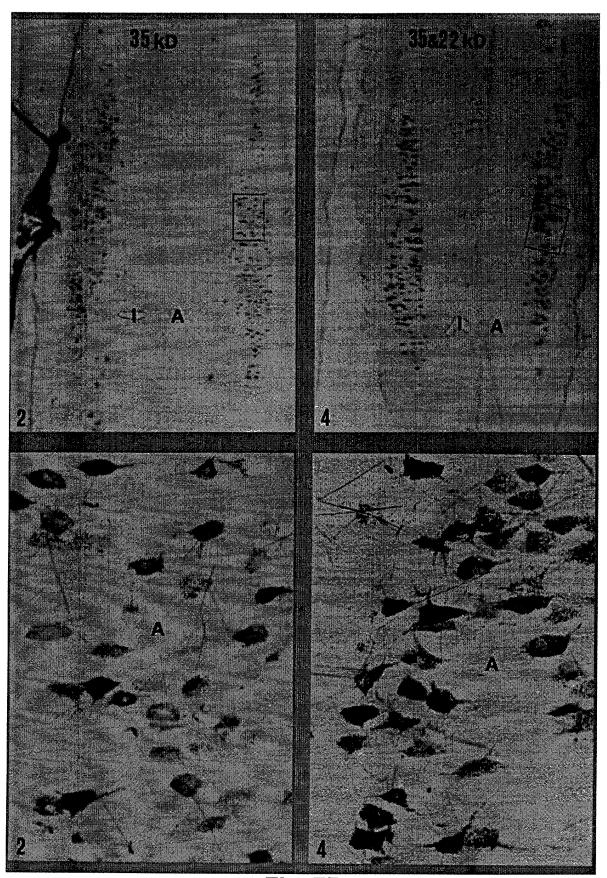


Fig. 7B

GROUP	NUMBER	% SURVIVAL	
CONTROL	7	44.6 ± 7.5	(a)
35kD (MNTF1)	7	76.5 ± 10.8	
22kD (MNTF2)	7	71.3± 8.7	
35kD + 22kD	7	86.8 ± 5.8	

SURVIVAL VALUES ARE MEAN \pm S.D. p<0.01

Fig. 8A

GROUP	% SURVIVAL	SD
CONTROL	44.6	7.5
35kD (MNTF1)	76.5	10.8
22Kd (MNTF2)	71.3	8.7
35kD + 22kD*	86.8	5.8

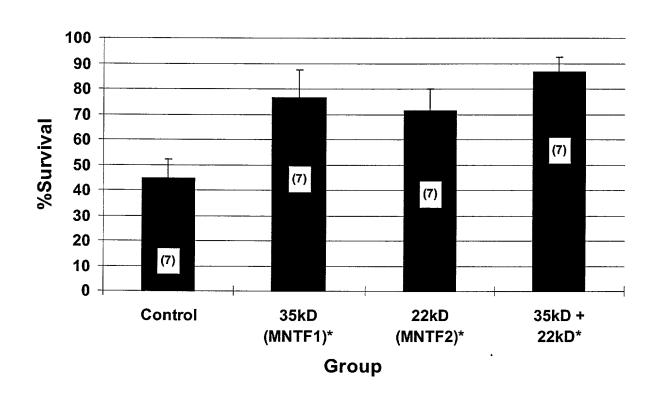


Fig. 8B

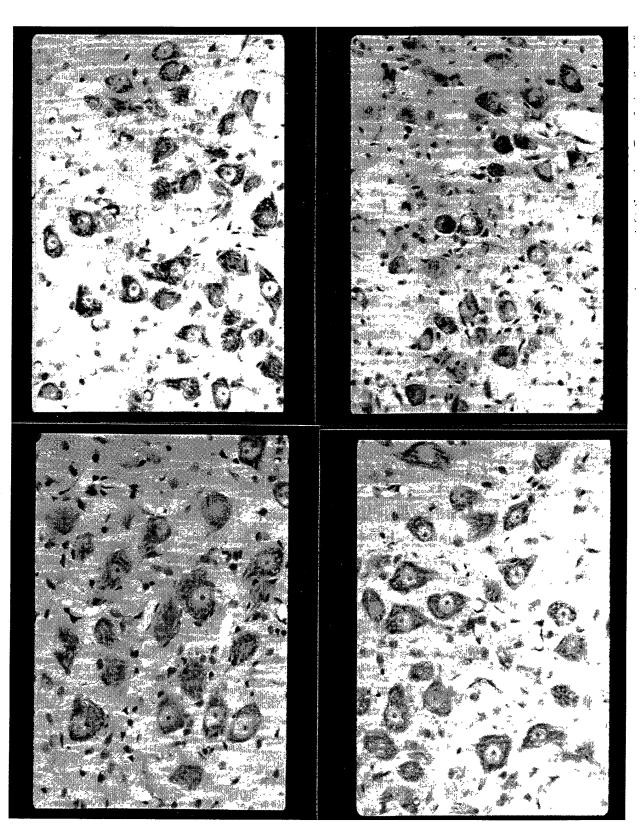


Fig. 9

% MOTONEURON SURVIVAL

TREATMENT	1 WEEK PO	(n)	2 WEEKS PO	(n)
CONTROL	53.4 ± 13.2	(3)	35.3 ± 9.2	(a)
35kD	70.9 ± 10.4	(4)	57.1 ± 6.3	(4) ^a
22kD	67.6 ± 10.4	(5)	56.3 ± 4.3	(3) ^a
35kD + 22kD	64.2 ± 6.6	(5)	53.1 ± 0.4	(3) ^a .

VALUES ARE MEAN ± S.D.

p<0.01

Fig. 10A

TREATMENT	1 WEEK PO	2 WEEKS PO	SD (1 wk PO)	SD (2 wks PO)
CONTROL	53.4	35.3	13.2	9.2
35kD (MNTF1)	70.9	57.1	10.4	6.3
22kD (MNTF2)	67.6	56.3	10.4	4.3
35kD + 22kD*	64.2	53.1	6.6	0.4

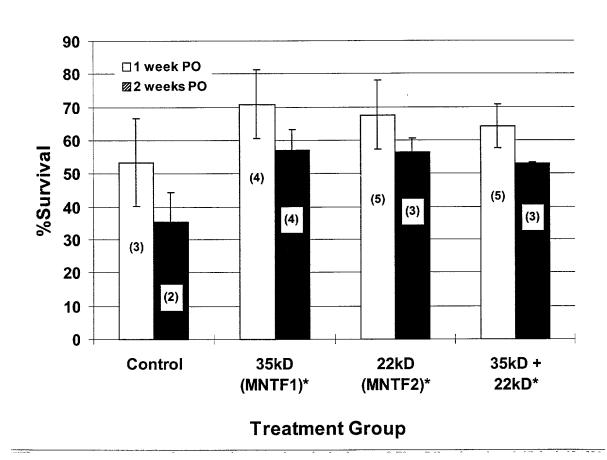


Fig. 10B

TREATMENT	1 WEEK PO	2 WEEKS PO	SD (1 wk PO)	SD (2 wks PO)
CONTROL	53.4	35.3	13.2	9.2
35kD (MNTF1)	70.9	57.1	10.4	6.3
22kD (MNTF2)	67.6	56.3	10.4	4.3
35kD + 22kD*	64.2	53.1	6.6	0.4

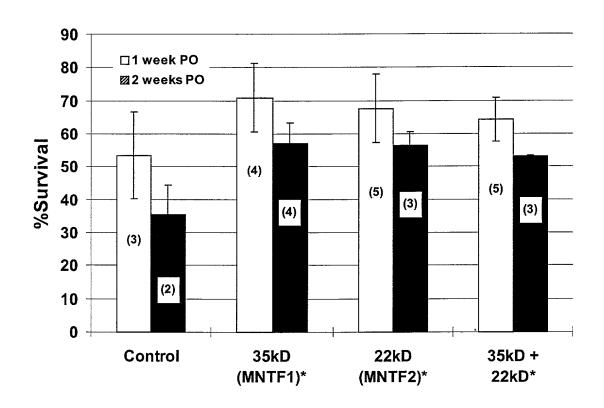


Fig. 10B

% MOTONEURON SURVIVAL

TREATMENT	2 WEEK PO	(n)
35kD + GOAT ANTI-RABBIT IgG	80.1 ± 11.3	(5) ^b
22kD + ANTI-35kD MAb	49.4 ± 0.9	(5) ^b

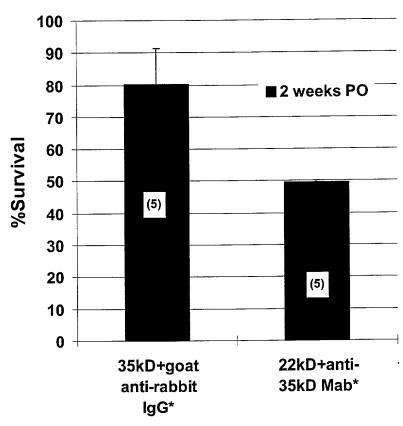
VALUES ARE MEAN ± S.D.

p<0.001

ANTI-35kD Mab = MONOCLONAL ANTIBODY DIRECTED AGAINST 35 kD MOTONEURONOTROPHIC FACTOR.

Fig. 11A

TREATMENT	2 WEEKS PO	SD
35kD + GOAT ANTI-RABBIT IgG*	80.1	11.3
22kD + ANTI-35kD Mab*	49.4	0.9



Treatment Group

Fig. 11B

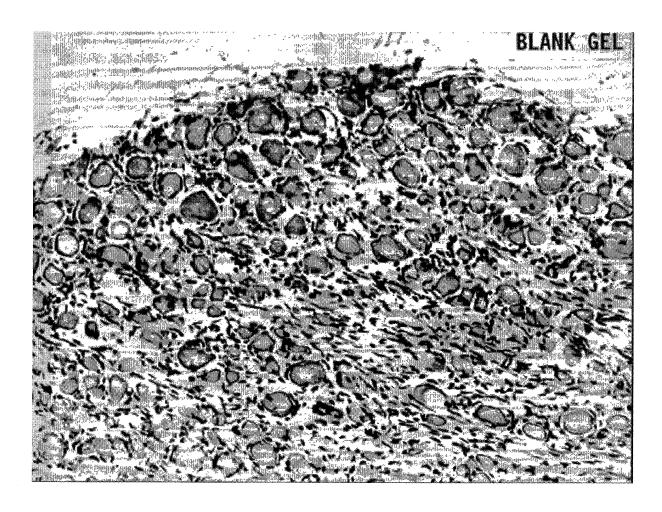


Fig. 12A

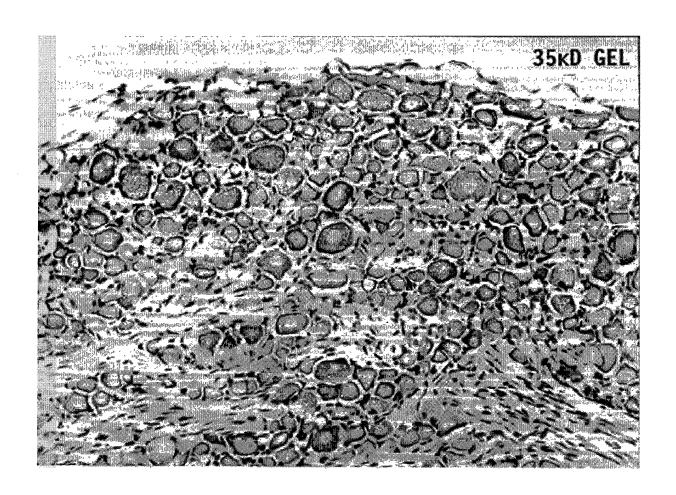


Fig. 12B

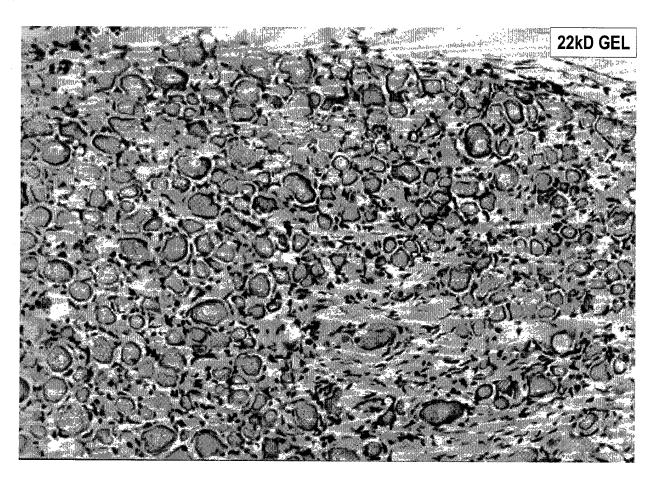


Fig. 12C

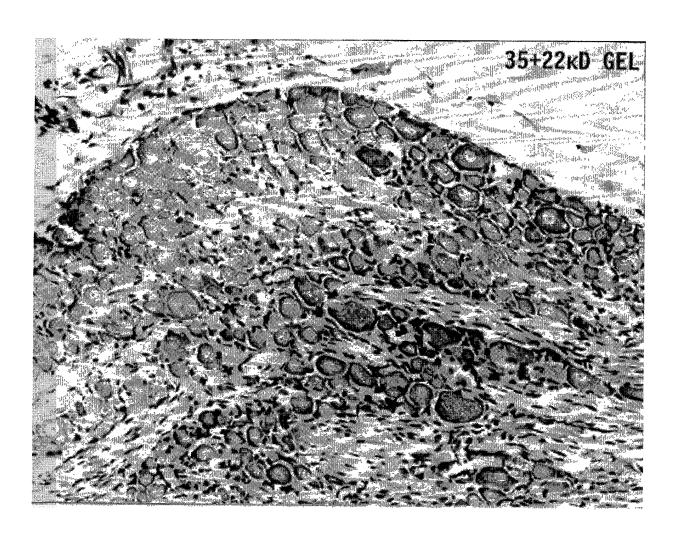
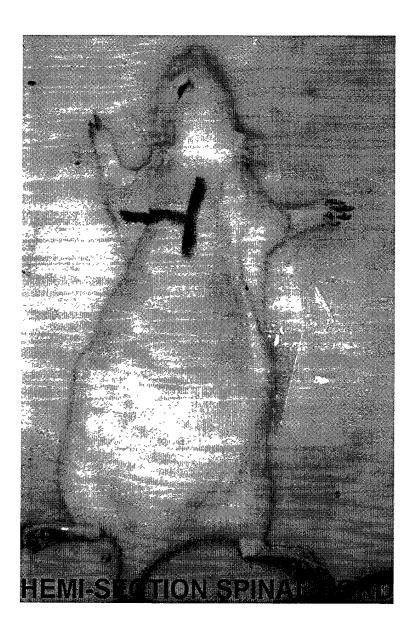


Fig. 12D



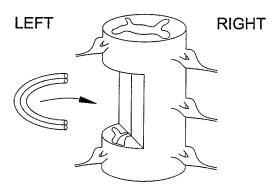


Fig. 13

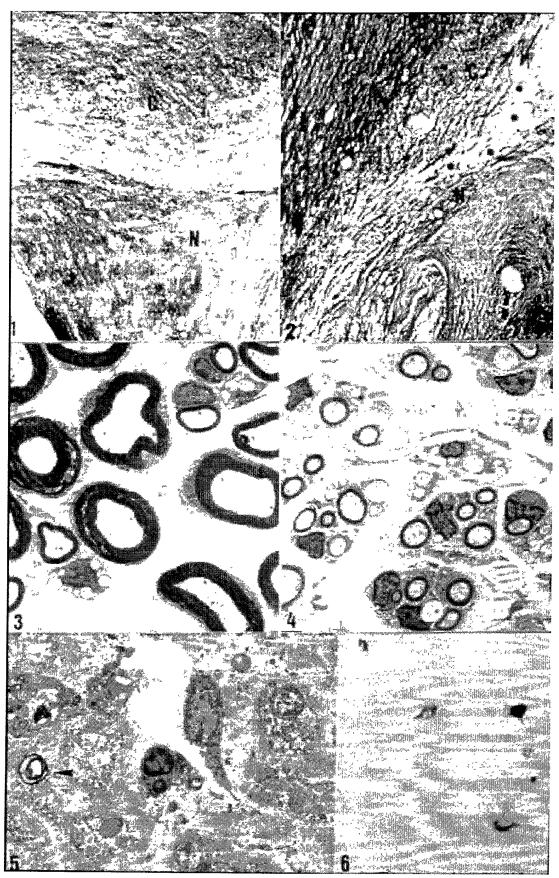


Fig. 14

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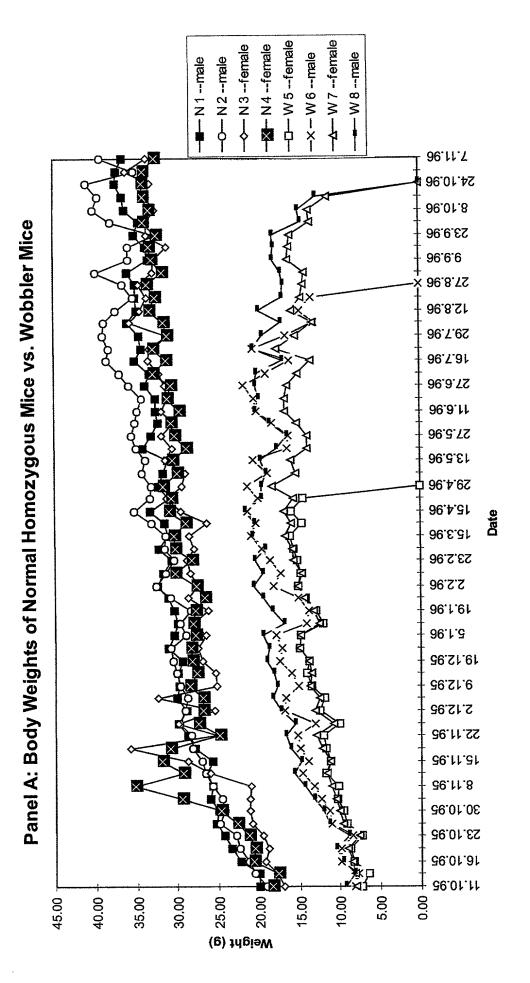


Fig. 154

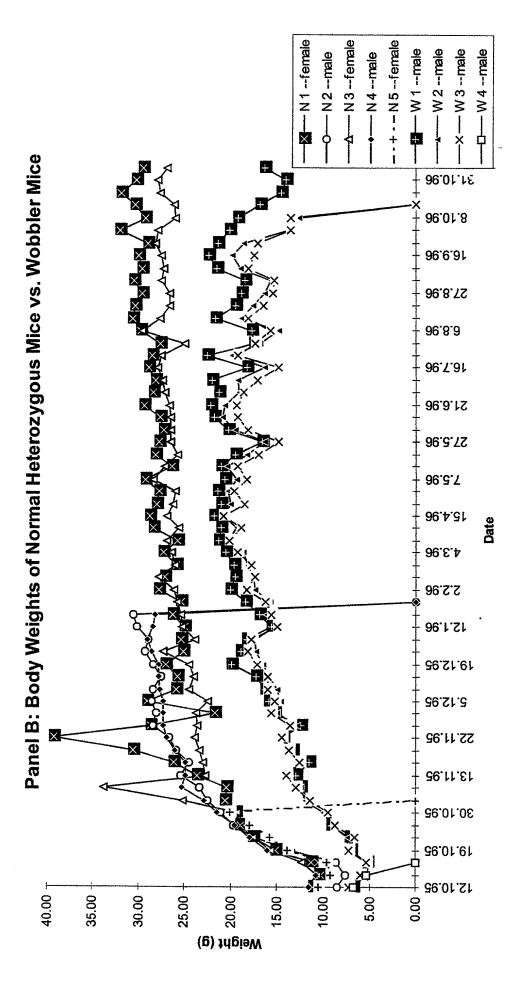


Fig. 15B

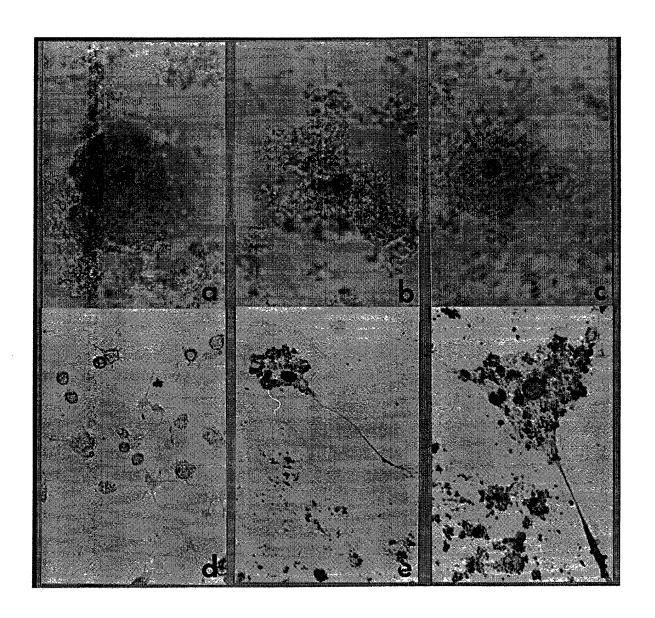


Fig. 16

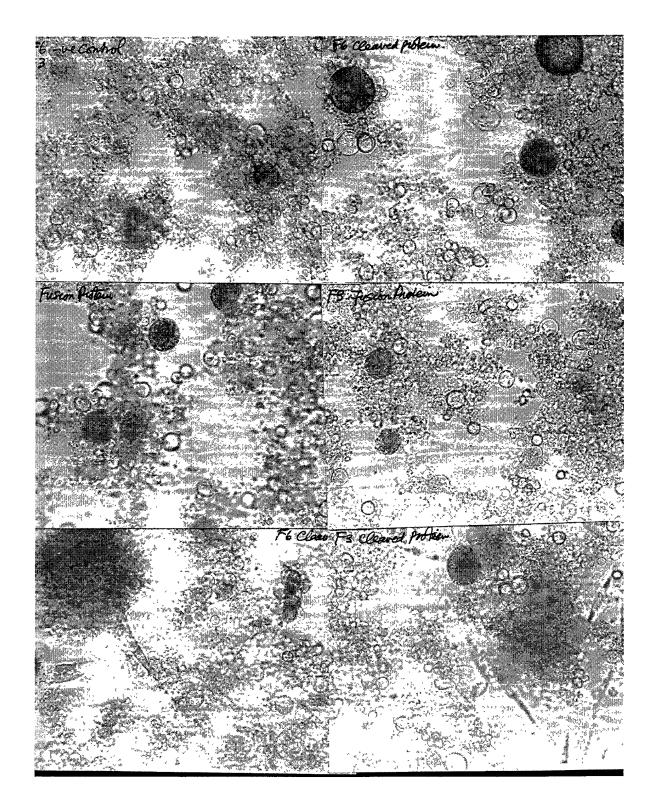


Fig. 17

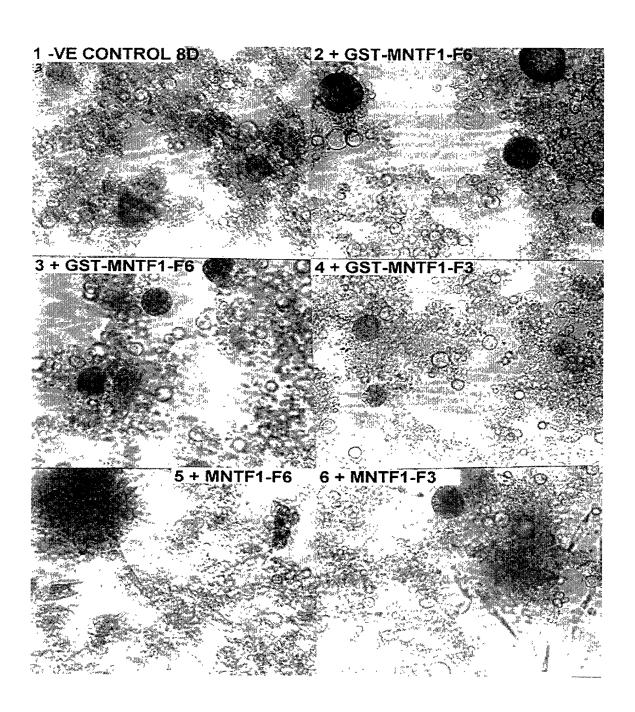


Fig. 17

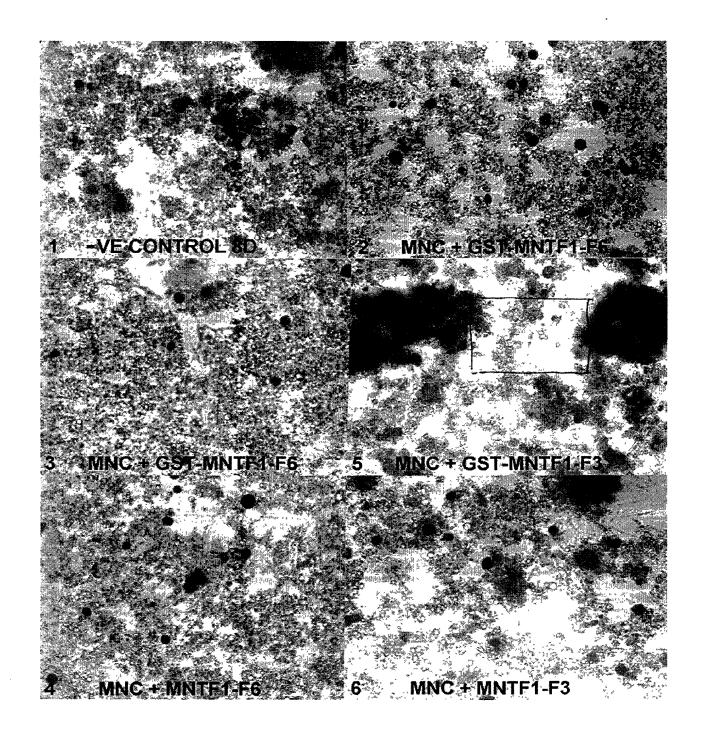


Fig. 18

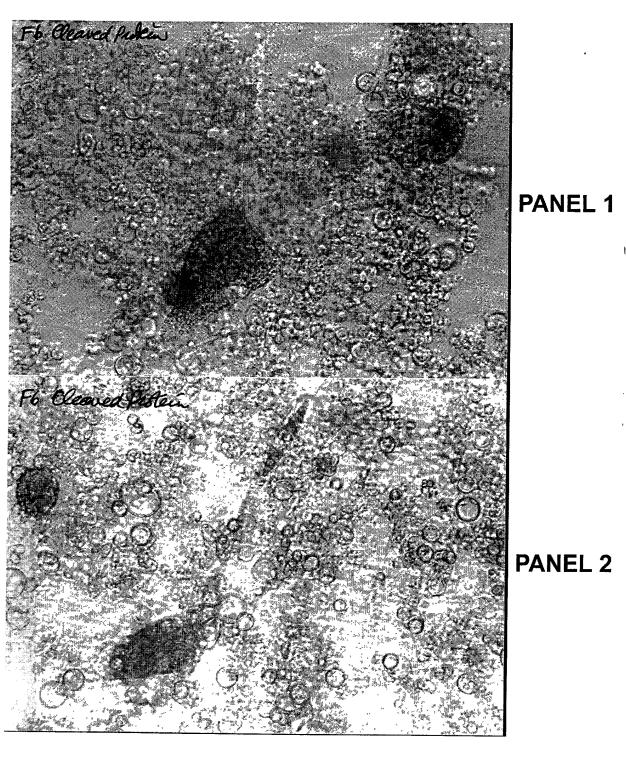


Fig. 19

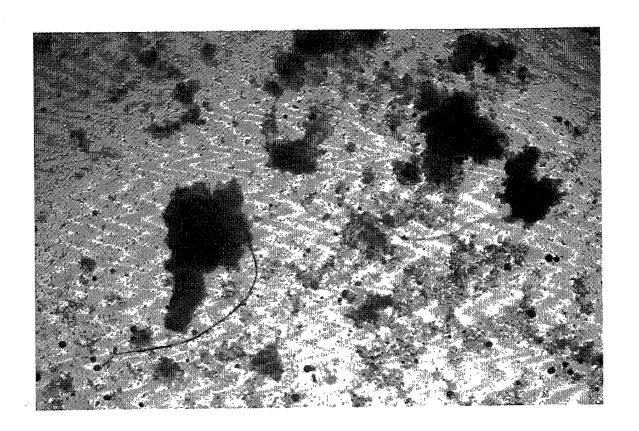


Fig. 20A



Fig. 20B

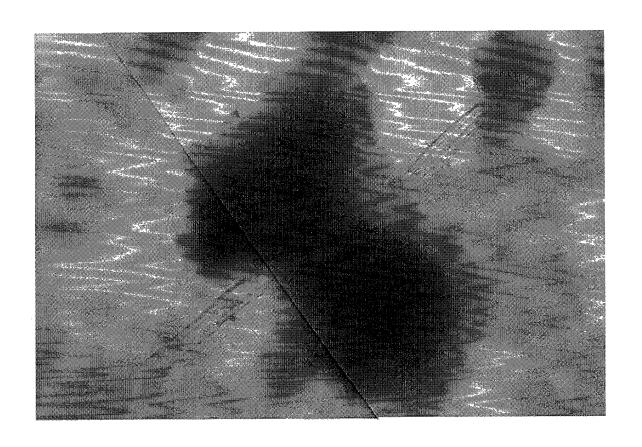


Fig. 20C

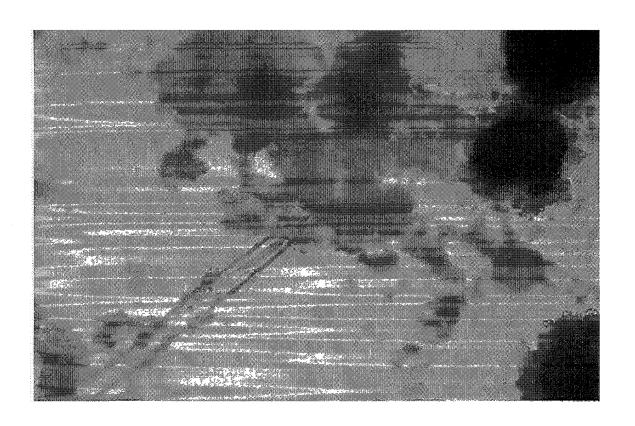


Fig. 20D